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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 12

**Complete if Known**

Application Number	10/565,484
Filing Date	January 17, 2006
First Named Inventor	CHEUNG, Nai-Kong V.
Art Unit	1623
Examiner Name	Eric Olson
Attorney Docket Number	639-C-PCT-US

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/ESO/	1	US- 7,030,101	04-18-2006	Pavliak et al.	
	2	US- 6,143,731	11-07-2000	Jamas et al.	
	3	US- 6,117,850	09-12-2000	Patchen et al.	
	4	US- 6,020,324	02-01-2000	Jamas et al.	
	5	US- 5,817,643	10-06-1998	Jamas et al.	
	6	US- 5,811,542	09-22-1998	Jamas et al.	
	7	US- 5,804,199	09-08-1998	Aasjord et al.	
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	9	US- 5,726,023	03-10-1998	Cheever et al.	
	10	US- 5,702,719	12-30-1997	Byron A. Donzis	
	11	US- 5,696,079	12-09-1997	Lane et al.	
	12	US- 5,622,940	04-22-1997	Gary Ostroff	
	13	US- 5,607,677	03-04-1997	Jamas et al.	
	14	US- 5,576,015	11-19-1996	Byron A. Donzis	
	15	US- 5,532,223	07-02-1996	Jamas et al.	
	16	US- 5,037,972	08-06-1991	Jamas et al.	
	17	US- 4,992,540	02-12-1991	Jamas et al.	
	18	US- 4,926,094	05-15-1990	Bondeson et al.	
	19	US- 4,900,722	02-13-1990	Williams et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/ESO/	40	WO 2007/84661	07-26-2007	Sloan-Kettering Institute for Cancer Research		
/ESO/	41	WO 2006/119395	11-09-2006	Biopolymer Engineering		
/ESO/	42	WO 2006/85895	08-17-2006	Biopolymer Engineering and Univ Louisville		
/ESO/	43	WO 2005/49044	06-02-2005	Laboratoires Goemar SA		
/ESO/	44	WO 2005/27938	03-31-2005	Laboratoires Goemar SA		
/ESO/	45	WO 2005/27936	03-31-2005	Laboratoires Goemar		

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Sheet

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First Named Inventor	CHEUNG, Nai-Kong V.
Art Unit	1623
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Attorney Docket Number	639-C-PCT-US

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/ESO/	20	US- 4,705,780	11-10-1987	Massot et al.	
/ESO/	21	US- 4,454,289	06-12-1984	Nakajima et al.	
/ESO/	22	US- 4,343,784	08-10-1982	Massot et al.	
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/ESO/	34	US- 2005/118187	06-02-2005	Baofa Yu	
/ESO/	35	US- 2002/119928	08-29-2002	Bill H. McAnalley	
/ESO/	36	US- 2002/44919	04-18-2002	Baofa Yu	
		US-			
		US-			

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/ESO/	46	WO 2004/30613	03-16-2004	University of Louisville Research		
/ESO/	47	WO 2003/54077	07-03-2003	Ceapro Inc.		
/ESO/	48	WO 2003/004507	01-16-2003	Research Center for Eco-Environmental Sci		
/ESO/	49	WO 2002/58711	08-01-2002	Sloan-Kettering Institute for Cancer Research		
/ESO/	50	WO 2001/80807	11-01-2001	Laboratoires Gomar SA		
/ESO/	51	WO 2001/68105	11-20-2001	Eurand Pharmaceutical		

Examiner  
Signature

/Eric Olson/

Date  
Considered

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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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/ESO/	52	WO 1999/52548	10-21-1999	Lees et al.		
/ESO/	53	WO 1991/03248	03-21-1991	Alpha Beta Technology Inc.		
/ESO/	54	EP 0463540A1	02-01-1992	Taito Co., et al.		
/ESO/	55	DE 30 19 614 A1	12-03-1981	Matsueda et al.		

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Signature

/Eric Olson/

Date	
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		First Named Inventor	CHEUNG, Nai-Kong V.		
		Art Unit	1623		
Examiner Name	Eric Olson				
Sheet	4	of	12	Attorney Docket Number	639-C-PCT-US

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/ESO/	37	Supplementary Partial European Search Report, February 5, 2008, for European Application No. EP 02 70 7502, filed August 4, 2003 for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH.	
/ESO/	38	PCT International Search Report for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, September 26, 2007, Int'l Application No. PCT/US07/01427 (Atty. Dkt. #639-F-PCT), Filed January 18, 2007.	
/ESO/	39	PCT Written Opinion of the International Searching Authority for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, September 26, 2007, Int'l Application No. PCT/US07/01427 (Atty. Dkt. #639-F-PCT), Filed January 18, 2007.	
/ESO/	56	Chinese Office Action, May 9, 2008, for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, Chinese Application No. 200480020356.6 (Atty. Dkt. #639-C-PCT-CN), Filed January 16, 2006, corresponding to PCT/US04/23099.	
/ESO/	57	U.S. Office Action, March 5, 2008, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/334,763 (Atty. Dkt. #639-E-US), Filed January 17, 2006.	
/ESO/	58	U.S. Office Action, August 7, 2007, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/218,044, Filed August 31, 2005. (Atty Dkt. #639-BZ-PCT-US).	
/ESO/	59	U.S. Office Action, August 7, 2007, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).	
/ESO/	60	U.S. Office Action, January 4, 2007, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).	
/ESO/	61	U.S. Office Action, November 22, 2006, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/218,044, Filed August 31, 2005. (Atty. Dkt. #639-BZ-PCT-US).	
/ESO/	62	U.S. Office Action, March 10, 2006, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/218,044, Filed August 31, 2005. (Atty. Dkt. #639-BZ-PCT-US).	

Examiner Signature	/Eric Olson/	Date Considered	12/12/2008
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<b>First Named Inventor</b>	CHEUNG, Nai-Kong V.
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<b>Attorney Docket Number</b>	639-C-PCT-US

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**OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS**

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/ESO/	63	U.S. Office Action, March 6, 2006, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).	
/ESO/	64	U.S. Office Action, July 13, 2005, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).	
/ESO/	65	U.S. Office Action, December 17, 2004, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003, (Atty. Dkt. #639-B-PCT-US).	
/ESO/	66	Beta Glucan Health Center webpage, November 10, 2000, "PLEURAN—Beta-1,3/1-6-Glucan," <a href="http://www.glucan.com/therapy/therapy.com">http://www.glucan.com/therapy/therapy.com</a> .	
/ESO/	67	1999 The Merck Manual of Diagnosis and Therapy, 397-398, 948-949, 1916, 1979-1981.	
/ESO/	68	ADACHI et al., 1990, "Macrophage Activation in Vitro by Chemically Cross-Linked (1-3)- $\beta$ -D-Glucans", Chem. Pharm. Bull., 38(4):988-992.	
/ESO/	69	AZUMA, Ichiro, "Development of Immunostimulants in Japan", Immunostimulants: Now and Tomorrow, 41-56.	
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/ESO/	71	BLUHM et al., 1977, "The triple helical structure of lentinan, a linear $\beta$ -(1 $\rightarrow$ 3)-D-glucan", Can J Chem, 55:293-299.	
/ESO/	72	BOGWALD et al., 1982, "The Cytotoxic Effect of Mouse Macrophages Stimulated in Vitro by a $\beta$ -1,3-D-Glucan from Yeast Cell Walls", Scandinavian Journal of Immunology, 15:297-304.	

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/ESO/	73	BOHN, J.A., and BeMiller, J.N., 1995, "(1→3)-β-Glucans as biological response modifiers: a review of structure-functional activity relationships," Carbohydrate Polymers, 28:3-14	
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/ESO/	78	CHIHARA et al., 1970, "Fractionation and purification of the polysaccharides with Marked Antitumor Activity, Especially Lentinan, from Lentinus edodes (Berk.) Sing. (an Edible Mushroom)", Cancer Res, 30:2776-2781	
/ESO/	79	CHIHARA et al., 1981, "The antitumor polysaccharide Lentinan: an overview", Manipulation of Host Defence Mechanisms, 1-16	
/ESO/	80	CHIHARA et al., 1982, "Current Status and Perspectives of Immunomodulators of Microbial Origin", International Journal of Tissue Reactions, 4:207-225	
/ESO/	81	DAMGE et al., December 1996, "Intestinal absorption of PLAGA microspheres in the rat," J. Anat., 189:491-501	
/ESO/	82	D'AMICO et al., 2000, "Molecular Biologic Substaging of Stage I Lung Cancer According to Gender and Histology," Ann. Thorac. Surg., 69:882-886	

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/ESO/	83	DAVID et al., 1996, "Growth arrest of solid human neuroblastoma xenografts in nude rats by natural IgM from healthy humans," Nature Medicine, 2:686-689	
/ESO/	84	DI LUZIO et al., 1985, "Glucans as Immunomodulators", Advances in Immunopharmacology, Pergamon Press, NY, 369-375	
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/ESO/	87	DI LUZIO, Nicholas R., 2003, "Immunopharmacology of glucan: a broad spectrum enhancer of host defense mechanisms", T.I.P.S., 344-347	
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				Application Number	10/565,484
				Filing Date	January 17, 2006
				First Named Inventor	CHEUNG, Nai-Kong V.
				Art Unit	1623
				Examiner Name	Eric Olson
Sheet	8	of	12	Attorney Docket Number	639-C-PCT-US

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/ESO/	93	HARADA et al., 1997, "Oral Administration of PSK can Improve the Impaired Anti-Tumor CD4+ T-Cell Response in Gut-Associated Lymphoid Tissue (GALT) of Specific-Pathogen-Free Mice," Int. J. Cancer, 70:362-372	
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/ESO/	103	KOTERA, Y., et al., June 1, 1994, "Humoral Immunity against a Tandem Repeat Epitope of Human Mucin MUC-1 in Sera from Breast, Pancreatic, and Colon Cancer Patients," Cancer Res., 54:2856-2860	
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/ESO/	112	HIROAKI NANBA and KEIKO KUBO, 1997, "Effect of Maitake D-Fraction on Cancer Prevention," Annal. N.Y. Acad. Sci. 833:204-207	

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